wherein a recirculation system comprising a withdrawal system for waste water and a supply line for waste water for flow delivery into the central flow channel are provided.

30. The hybrid reactor of claim 29,

wherein the withdrawal system comprises an intermediate space between two plate-like elements as well as a conduit starting in said intermediate space.

31. The hybrid reactor of claim 29,

wherein the discharge system is positioned a distance above the withdrawal system of the recirculation system.

32. The hybrid reactor of claim 24,

wherein the separator system comprises a partition provided in spaced apart manner above the upper end of the central flow channel and covering a large part of the reactor cross-sectional area while leaving free an outer annular area.

33. The hybrid reactor of claim 32,

wherein the partition has portions in which it does not extend horizontally and forms a gas collection space in a highest portion.

34. The hybrid reactor of claim 33,

wherein, from the highest portion, the partition extends - roughly speaking - outwardly in downwardly inclined manner and inwardly in downwardly inclined manner.

35. The hybrid reactor of claim 32,

wherein a withdrawal system of the recirculation system is positioned at the upper side of the partition.

36. The hybrid reactor of claim 24,

IAP12 Rec'd PCT/PTO 28 APR 2006

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Approved for use through 3/31/2007. OMB 0651-0021

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Examination fee Interflational preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Audio 33(1)(4)	The following fees have been submitted					CALCULATIONS	PTO USE ONLY	
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Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or completer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International SearchIng Authority					\$500,°		
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Martha Victory

Martha Victory

- Transmittal Letter to the United States DO/EO/US concerning a submission under 35 USC 371 (2 pages)
- Declaration for Patent Application (2 copies, 3 pages each)
- Application Data Sheet
- •Information Disclosure Statement + 6 references
- ·Assignment and Recordation Cover Sheet (2 copies, 2 pages each)
- Preliminary Amendment (7 pages)
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